



# MATERIAL SAFETY DATA SHEET

## PRODUCT: MANUTEC LIQUID pH TEST KIT

Date of Issue: 26 OCT 2018

Valid until: 26 OCT 2023

GHS Format

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

**Product (material) Name:** Manutec Liquid pH Test Kit

**Other names:** None

**Manufacturer's code:** MTO3107

**Recommended use:** For determining the pH of hydroponic solutions, water in Aquariums and Pools. Suitable for non-colored liquids

**Manufacturer/Supplier Information:**

**Name:** MANUTEC PTY LTD

**Address:** 30 Jonal drive, Cavan, South Australia 5094

**Telephone No:**+61-8-8260 2277      **Fax:**+61-8-8260 2399

**Email:** manutec@manutec.com.au

**Emergency contact:** Poisons Information Centre (Australia) 131126

### 2. HAZARDS IDENTIFICATION

**ADG Code:**Non allocated, Non-Dangerous according to the criteria of the Australia Dangerous Goods Code

**HazChem Code:**None allocated, NOT Hazardous according to the criteria of NOHSC (National Occupational Health & Safety Commission)

**Risk phrase(s):** None allocated

**Poisons Schedule:** None allocated

**Safety phrase(s):** None allocated

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

	<u>Chemical Entity</u>
Indicator Liquid	Diluted (proprietary) alkaline solution with mixture of Indicator dyes

### 4. FIRST AID MEASURES

**Swallowed:** Wash/rinse mouth out with water. Seek immediate medical advice or attention.



- Eye:** Flush eyes immediately for at least 15 minutes, lifting eye lids, with copious amounts of water. Seek immediate medical attention.
- Skin:** Wash thoroughly with soap and plenty of water. If irritation develops seek medical attention.
- Inhaled:** Move from contaminated area to fresh air. If discomfort persists seek medical attention.

## 5. FIRE FIGHTING MEASURES

- Flammability conditions:** Indicator Liquid is not flammable and incombustible.
- Extinguishing media:** No particular restrictions, use appropriate considering surrounding fire conditions

**Hazards from combustion:** Indicator solution in this kit is non combustible.

- Protective Equipment's:** Fire fighters should wear a positive pressure self contained breathing apparatus and protective fire fighting clothing/gear.

## 6. ACCIDENTAL RELEASE MEASURES

**General Response/Cleanup Procedure:** materials in this kit are non dangerous and non hazardous, Any spillage of indicator liquid may cause stain upon spilling, so clean up with rags/absorbent material asap.

## 7. HANDLING AND STORAGE

- 7.1 Safe Handling:**
1. When using the product, DO NOT eat, drink or smoke
  2. Avoid contact with skin & eyes and take off immediately all contaminated clothing
  3. DO NOT empty the contents into drains
  4. Wear suitable protective gloves if required.
  5. Indicator Liquid may stain skin, but harmless, can easily be washed off with soap and water.

**7.2 Safe storage conditions:** Store in a cool and dry place in original containers and away from food stuffs, pets and Children. Keep containers tightly closed when not in use. Leakage from Indicator liquid will stain other material or articles.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure standards/limits:** No data available
- Biological limit values:** No information is available

- Engineering controls:** As this product is a retail package, no wide spread contamination is expected. However a system of local/general exhaust is recommended to keep exposure as low as possible.
- Personal Protection equipment:** Indicator Liquid is non dangerous and non hazardous, however to avoid any staining from Indicator liquid and as general safety reasons, it is recommended to use normal garden or protective gloves while handling or using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Apperance:** **Indicator Liquid:** dark green and reddish color
- Odour:** Indicator Liquid is with earthy organic smell and
- Melting Point range** Indicator Liquid: not available
- Boiling Point range** Not available
- Flash Point:** Not flammable
- Ignition temperature:** Not flammable
- Oxidising properties:** None
- Explosive properites:** No danger of explosion
- Vapour pressure:** not available
- Density:** Indicator Liquid: 1.2g/ml
- pH value:** Indicator liquid: approx. 6.5

## 10. STABILITY AND REACTIVITY

- Reactivity:** no specific reactive is known
- Chemical stability:** stable under normal use conditions
- Hazardous reactions:** None reported
- Conditions to avoid:** none reported
- Incompatible materials:** none reported

**Hazardous decomposition products:** None reported

## 11. TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

- Swallowed:** Adverse human effects have not been determined.
- Eyes:** May cause irritation.
- Skin:** May cause irritation.
- Inhaled:** Odour may cause irritation to nasal passages and throat.

**CHRONIC EFFECTS:** No comprehensive human or animal studies have been conducted for long term effects.

## 12. ECOLOGICAL INFORMATION

**Eco toxicity:** Non toxic, no specific data available

**Persistence and degradability:** not applicable

**Mobility:** not applicable

## 13. DISPOSABLE CONSIDERATIONS

**Bio accumulative potential:** not applicable.

**Disposable methods:** Non hazardous waste, dispose in accordance with all local, state and federal regulations.

**Packaging/containers:** Containers/packaging must be treated as waste and disposed in accordingly depending on material type. Plastic packaging can be treated as recycled waste as appropriate.

## 14. TRANSPORT INFORMATION

**UN number:** None allocated, This product is not classified as a hazardous and non dangerous goods

**UN Proper shipping name:** None allocated

**Class & subsidiary risk:** None allocated

**Packing group:** None

**Special precautions for user:** Fragile packing, use/handle with care to avoid damage/spill

**Hazchem code:** None (Non hazardous)

## 15. REGULATORY INFORMATION

**Regulatory status of product/materials:** Not available

## 16. OTHER INFORMATION

The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.



**STATEMENT OF DISCLAIM:**

This Material Safety Data Sheet has been developed according to WHS Code of Practice Preparation of Safety Data Sheets for Hazardous Chemicals Guidelines and written in accordance with GHS format. All information is as accurate and up-to-date as possible. Since Manutec Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application. Manutec Pty Ltd will not be responsible for damages of any nature resulting from use of or reliance upon this information. No expressed or implied warranties are given other than those implied mandatorily by Federal, State or Territory Legislation.